RESEARCH FUNDING AT ALBERTA'S COMPREHENSIVE ACADEMIC AND RESEARCH INSTITUTIONS – 2008/09

April 2010 Government of Alberta

Alberta

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REPORT PREFACE

The Research Funding at Alberta's Comprehensive Academic and Research Institutions report is produced annually by the Research Capacity Planning branch of Alberta Advanced Education and Technology. Data derived from the report are compiled and used as a performance measure in *Measuring Up*, a component of the Government of Alberta's Annual Report, and the Business Plan and Annual Report for the Ministry of Advanced Education and Technology (AET).

The data collection process has been adjusted in order to provide and analyze data that are consistent with the overall sponsored research revenue totals reported by the institutions to the Canadian Association of University Business Officers (CAUBO). These institutions include Athabasca University, and the Universities of Alberta, Calgary and Lethbridge. Previous reports described a ten year span of historical data, but given requirements associated with restating the data in accordance with the new process, this report details a five year span of data, extending back to 2003-04.

It should be noted that, as a result of the transition of Alberta's research and innovation system to Alberta Innovates, there have been recent changes to the organizational structure of some funding agencies. Given that the report details historical data for the period between 2003-04 and 2008-09, the names of the Government of Alberta/Alberta Science and Research Authority entities used are those prior to the transition to Alberta Innovates. The former names of these agencies will continue to be used until the 2010 reporting year.

Financial Note: Sponsored research revenues are those funds garnered outside of regular university operating grants. These research contracts, grants and donations are used to support the operating and infrastructure costs of research activities at the universities. The data in this report are provided directly by the comprehensive academic and research institutions and are derived from a combination of audited financial schedules and supplemental financial reports.

FOSTERING RESEARCH EXCELLENCE

The Government of Alberta supports the key role that research at Alberta's comprehensive academic and research institutions plays in shaping Alberta's future as a province with a more diversified economy, increased innovation and competitiveness, and more sustainable economic growth. The *Government of Alberta Strategic Business Plan: 2008-11*, puts a high priority on building Alberta's next generation economy – knowledge-based, value-added, innovative, globally competitive and resilient. To that end, the Government of Alberta supports world class research and innovation in Alberta's post-secondary institutions, including investments in the areas of biotechnology, energy, the life sciences, ICT, nanotechnology and other research and development opportunities.

Alberta's comprehensive academic and research institutions receive research funding from a variety of sources, including federal and provincial funding programs, industry, non-profit, endowments, and international jurisdictions, a testament to the competitiveness of the research capabilities in the province. This report presents an overview of research funding received by these Alberta institutions.

In 2008-09, the Department of Advanced Education and Technology undertook the development and implementation of a framework to define the roles and mandates for publicly funded organizations in Alberta's research and innovation system. The aim of the framework is to strengthen the capacity and capability of Alberta's research system, and thereby contribute to building Alberta's next generation economy. In January 2010, the Government of Alberta launched Alberta Innovates. Several funding agencies were consolidated as part of this transition, but these changes are not yet reflected in this report, given the time frame of the data.

EXECUTIVE SUMMARY OF STATISTICS

Sponsored research revenue to Alberta's comprehensive academic and research institutions has increased by 27.0% from 2003-04 to 2008-09, an increase that is mainly attributable to strong provincial and federal government investments in enhancing research excellence and capability within the province.

Since 2007-08, sponsored research funding has increased by 4.0% to a total of $791.2 million (Figure 1, Table 1). In 2008-09, contributions from federal government, other government, and non-profit sources increased, while funding from the provincial government, industry, endowment and other income sources showed a small decrease.

The Government of Alberta funding for research at Alberta's comprehensive academic and research institutions has increased 34.1%, from $202.0 million in 2003-04 to $271.0 million in 2008-09. From 2007-08, the level has decreased slightly by 3.5%. An important component of the provincial government's support for research in 2008-09 is the $86.1 million directed to research-related capital initiatives (Table 2).

Since 2003-04, the federal government's annual funding to Alberta's comprehensive academic and research institutions has increased by $51.1 million, or 20.1% (Figure 2). In 2008-09, Alberta institutions garnered 11.6% additional funding from federal government sources than in 2007-08 (Figure 2). Funding from the Natural Sciences and Engineering Research Council (NSERC), the Canadian Institutes of Health Research (CIHR), and the Canada Foundation for Innovation (CFI) sources have increased, while funding from the Social Sciences and Humanities Research Council (SSHRC), the Canada Research Chairs Program (CRC), and the Indirect Costs Program remained at similar levels as in 2007-08 (Table 3).

Alberta's comprehensive academic and research institutions have garnered increasing amounts of research funding from the non-profit sector, growing from $46.5 million in 2003-04 to $83.0 million in 2008-09 (Figure 2, Table 4), an increase of 78.7%. The level of funding from non-profit sources increased by 28.5% from 2007-08 to 2008-09. In 2008-09, industry sources provided $102.2 million in research funding, an increase of 46.7% since 2003-04 (Figure 2, Table 4). The level of funding decreased by 5.4% from 2007-08 to 2008-09.

The University of Alberta and the University of Calgary also use endowment funding to support research activities at their institutions. Funding for research from institutional endowment sources is variable from 2003-04 to 2008-09, with a high of $29.5 million reported in 2006-07, and a low of $7.0 million reported in 2008-09 (Figure 2, Table 4).

The Alberta Heritage Foundation for Medical Research (AHFMR) has supported Alberta's comprehensive academic and research institutions with a total of $306.4 million from 2003-04 to 2008-09. In 2008-09, the AHFMR provided $59.1 million to the institutions included in this report, a modest increase from $52.6 million in 2007-08 (Figure 7, Table 2).

From 2003-04 to 2008-09, Alberta Ingenuity has provided $103.9 million in support of science and engineering research activities at Alberta's institutions. This number has grown from a total of $7.4 million in 2003-04 to $29.0 million in 2008-09, and an increase from $23.5 million in 2007-08 (Figure 8, Table 2).

Note: All figures are based on information provided in the accompanying tables at the end of the report. Tables 1-4 summarize the reported revenues and sources.

ALBERTA ADVANCED EDUCATION AND TECHNOLOGY'S SUPPORT OF RESEARCH

The Government of Alberta has enhanced the research capacity at Alberta's comprehensive academic and research institutions by investing in world-class research facilities and in Alberta researchers, enabling the province to attract and retain highly skilled workers to build and sustain the knowledge economy. In 2008-09, Alberta continued to build research and innovation capacity in key areas through contributions from Advanced Education and Technology, the five Alberta Science and Research Authority (ASRA) Research Institutes, the iCORE, the Alberta Heritage Foundation for Medical Research (AHFMR), and Alberta Ingenuity.

Note on Sources/Names: As the report details historical data for the period between 2003-04 and 2008-09, the names of the Government of Alberta/Alberta Science and Research Authority Institutes are those prior to the transition to Alberta Innovates. The former names of these agencies will continue to be used until the 2010-2011 reporting year.

Operating Grant

Advanced Education and Technology provides an operating grant to the comprehensive academic and research institutions which includes funding for teaching, research and administrative activities. The 2008-09 operating grants to Alberta's four institutions totaled $928.7 million.

Support for Research Capacity

In this reporting period, Advanced Education and Technology administered two key programs to support building research capacity at Alberta's post-secondary institutions and to leverage federal funding for key Alberta initiatives. The Alberta Science and Research Investments Program (ASRIP) and the Small Equipment Grants Program (SEGP) are competitive infrastructure and equipment funding programs which support quality and research excellence, build innovation capacity, and promote initiatives of strategic benefit to Alberta. In 2008-09, the ASRIP continued its competitive approach to providing multi-disciplinary teams with research equipment in support of research excellence and strategic initiatives. During the same time period, the SEGP awarded $9.8 million to support 40 strategic projects that bolster recruitment and retention of top faculty at Alberta's comprehensive academic and research institutions.

Alberta Agricultural Research Institute

The Alberta Agricultural Research Institute's (AARI) mission is to support the growth of a dynamic, sustainable life sciences sector in Alberta by leading the agri-based industry's research, development and deployment strategies and outcomes. The AARI's vision is to be the Alberta leader responsible for ensuring that agricultural research, development and deployment delivers innovative solutions to the marketplace. During 2008-09, the AARI committed $6.1 million to support research in three strategic theme areas: bioproducts, sustainable production, and health and nutrition. As of January 2010, the AARI has been transitioned to Alberta Innovates – Bio Solutions.

Alberta Energy Research Institute – University Research Program

The Alberta Energy Research Institute's (AERI) mandate is to promote research, technology evaluation, and technology transfer related to development energy sources of importance to Alberta. In 2008-09, the AERI invested in university research in its six core priority areas: Clean Carbon/Coal, Improved Recovery, Bitumen Upgrading, CO_2 Management, Water Management, and Renewable and Alternate Energy. Research at Alberta's universities contributes to all six areas through basic research, training, fundamental knowledge acquisition, and via increasing linkages between academia and industry.

The AERI invested a total of $2,041,742 for university research in 2008-09, with the University of Alberta receiving $639,559, the University of Calgary receiving $1,388,081, and the University of Toronto receiving $14,103. As of January 2010, AERI has been transitioned to Alberta Innovates – Energy and Environment Solutions.

Alberta Forestry Research Institute

The Alberta Forestry Research Institute's (AFRI) mission is to enhance the contribution of innovation and research to the economic, environmental and community sustainability of Alberta and to promote the global competitiveness of its forest sector as a key contributor to Alberta's growing bioeconomy.

During 2008-09, the AFRI continued its support for research at Alberta universities, including activities associated with the Networks of Centres of Excellence Sustainable Forestry Management Network, based at the University of Alberta, a chair in nanotechnology application for the forest sector at the University of Alberta, a chair in Life Cycle Analysis at the University of Calgary, mountain pine beetle genomics, and the establishment of two research chairs in the areas of climate change and hardwood genetics. As of January 2010, the AFRI has transitioned to Alberta Innovates – Bio Solutions.

Alberta Life Sciences Institute

The Alberta Life Sciences Institute (ALSI) focuses on the life sciences opportunities that can be found at the convergence of the traditional health, agriculture, energy and forestry sectors. The ALSI works collaboratively with other government departments, industry, stakeholders and research institutions to enhance and expand Alberta's life sciences capacity.

During 2008-09, $5.0 million was invested in the strategic themes of the ALSI: bioproducts innovation, health innovation, resource management innovation, and building the base. As of January 2010, ALSI has transitioned to Alberta Innovates – Bio Solutions.

Alberta Information and Communications Technology Institute

The mandate of Alberta Information and Communications Technology Institute (AICTI) is to support the development and growth of the information and communications technology (ICT) sector in Alberta by providing strategic advice and policy guidance to government on public funding and investments in ICT-related research and innovation. The Institute works closely with other departments, agencies, and institutions in developing advice on mechanisms to stimulate the development, application, and commercialization of new knowledge, technologies and products. The Institute also provides advice to support research capacity, particularly in terms of highly qualified people and research infrastructure.

For 2008-09, the AICTI committed $7.65 million to three key areas: research and development, infrastructure, and technology commercialization. As of January 2010, AICTI activities have been retained in the Department of Advanced Education and Technology.

iCORE Inc.

iCORE Inc. is a not-for-profit corporation owned by the Government of Alberta that supports the innovation-based economy of the province by attracting world-class information and communications technology researchers and graduate students to Alberta. The iCORE's primary function is to attract, retain, educate and support exceptional ICT researchers and students. In 2008-09, iCORE provided $11 million in support of ICT research capacity and capability in Alberta. As of January 2010, iCORE has transitioned to Alberta Innovates – Technology Futures.

Alberta Heritage Foundation for Medical Research

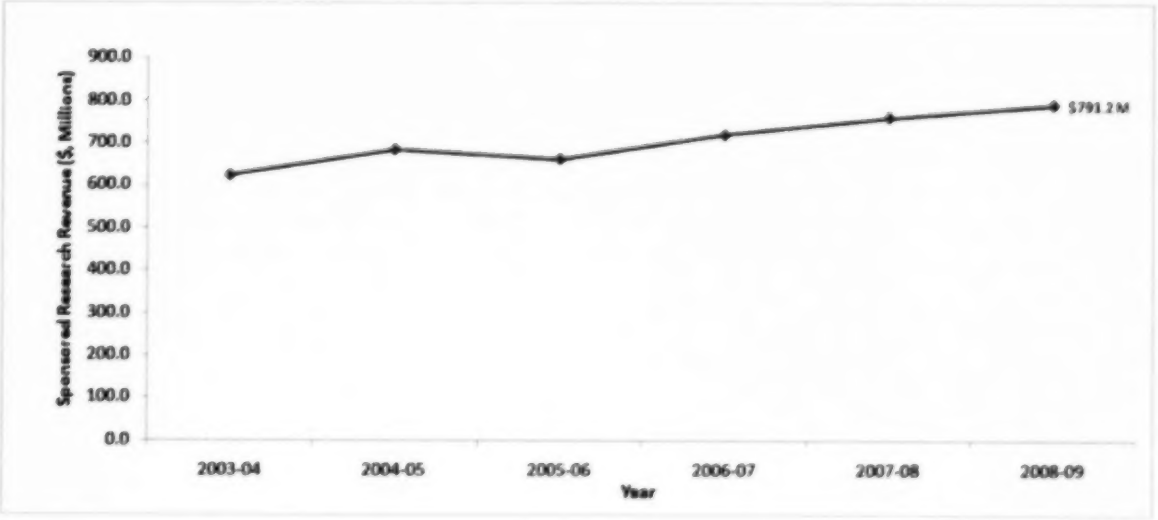
The Alberta Heritage Foundation for Medical Research (AHFMR), which was established by the Government of Alberta in 1980, supports biomedical and health research at Alberta universities, affiliated institutions, and other medical and technology-related institutions. From 2003-04 to 2008-09, the AHFMR contributed more than $306.4 million to the health research community in Alberta, which demonstrates Alberta's commitment to supporting excellence in medical research. The AHFMR's contributions to university research are detailed in Figure 7 of this report. As of January 2010, AHFMR has transitioned to Alberta Innovates – Health Solutions.

Alberta Ingenuity

Alberta Ingenuity was established with an endowment made by the Government of Alberta to create and harness research for a prosperous future. Through funding programs that support the highest caliber science and engineering research, Alberta Ingenuity is building Alberta's capacity for innovation in areas with important social and economic impacts. Between 2003-04 and 2008-09, Alberta Ingenuity invested $103.9 million to support university research, as shown in Figure 8 of this report. As of January 2010, Alberta Ingenuity has transitioned to Alberta Innovates – Technology Futures.

TOTAL SPONSORED RESEARCH REVENUE

Figure 1: Total Sponsored Research Revenue at Alberta's Comprehensive Academic and Research Institutions

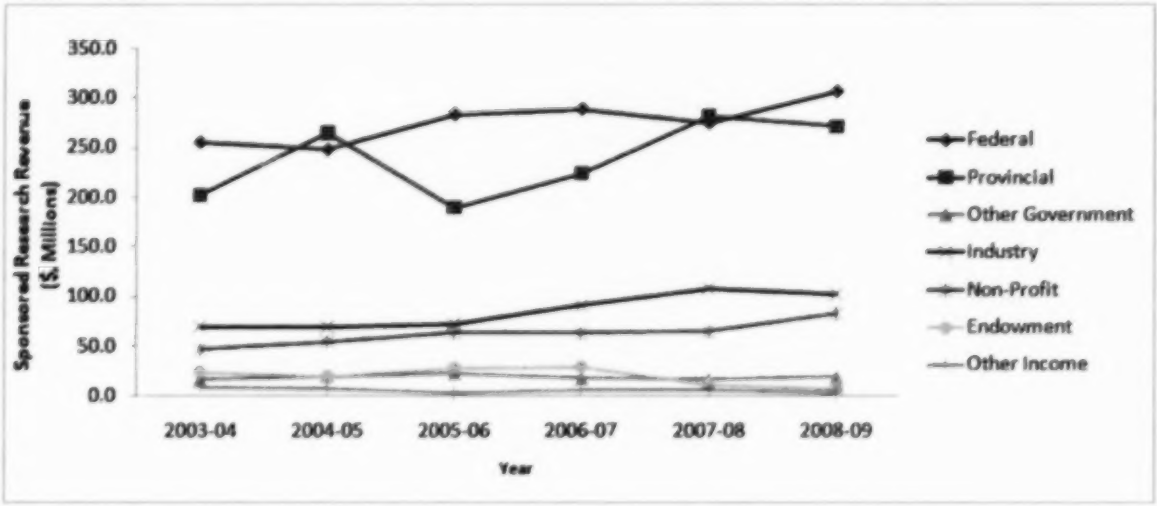


- In 2008-09, Alberta's four comprehensive academic and research institutions received $791.2 million in sponsored research funding, an increase of 4.0% from $760.9 million in 2007-08 and an increase of 27.0% from $622.9 million in 2003-04.

- From 2003-04 to 2008-09, Alberta's comprehensive academic and research institutions received a total of $4.2 billion in sponsored research funding from all funding sources.

TOTAL SPONSORED RESEARCH REVENUE BY SOURCE

Figure 2: Total Sponsored Research Revenue by Source



- Funding from federal sources increased by 20.1%, from $254.8 million in 2003-04 to $305.9 million in 2008-09. Between 2007-08 and 2008-09, federal funding increased by 11.6%. This increase is mainly attributable to an increase in funding from the Natural Sciences and Engineering Research Council (NSERC), the Canadian Institutes for Health Research (CIHR), the Canada Foundation for Innovation (CFI), and other federal sources.

- Annual funding from provincial sources increased by 34.1% over the 2003-04 to 2008-09 period, rising from $202.0 million to $271.0 million. From 2007-08 to 2008-09, provincial funding decreased by 3.5%. While funding from most Government of Alberta sources increased in 2008-09, funding from Advanced Education and Technology decreased by $18.9 million. The decrease from 2007-08 is in part explained by the initiation of one-time larger projects, and research infrastructure competition cycles funded through the Department during this year.

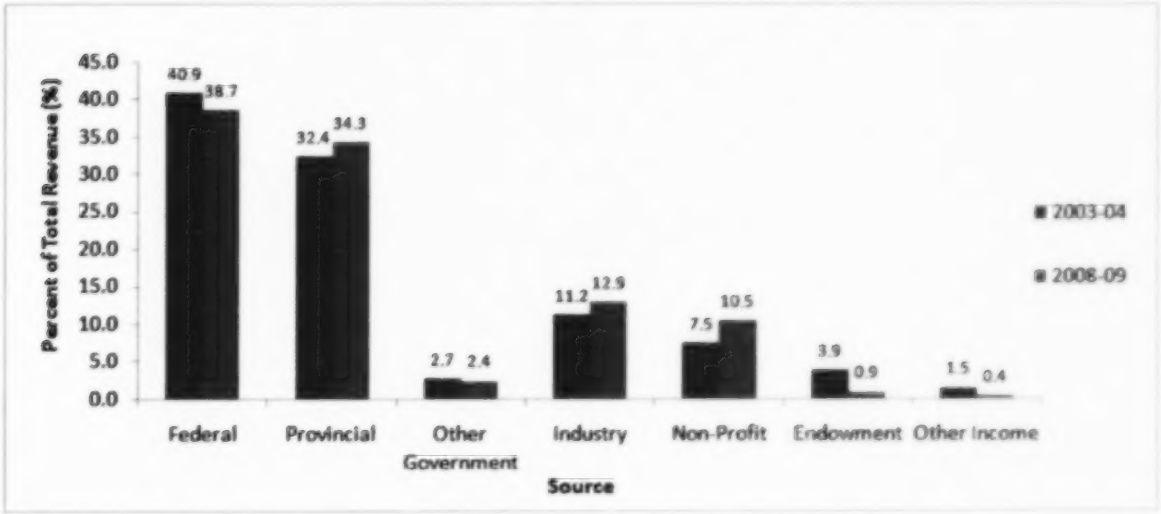
- Funding from industry sources increased by 46.7% over the 2003-04 to 2008-09 period, an increase of $32.5 million. The level decreased by 5.4% from 2007-08 to 2008-09.

- Total non-profit funding increased by 78.7% over the 2003-04 to 2008-09 period, an increase of $36.6 million. From 2007-08, the amount has increased by 28.5% in 2008-09.

- Funding from other government and other income sources remained relatively stable with minor fluctuations from year to year. Funding from endowment sources decreased by 70.8% over the 2003-04 to 2008-09 period.

PERCENTAGE OF TOTAL SPONSORED RESEARCH REVENUE BY SOURCE

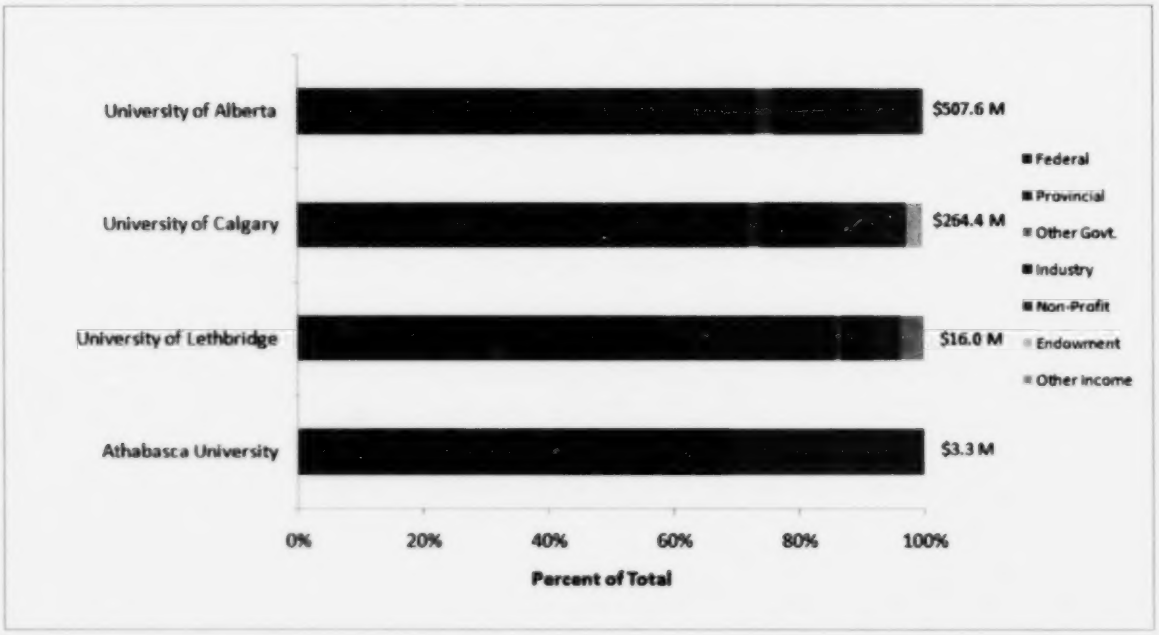
Figure 3: Percent of Total Sponsored Research Revenue by Source for 2003-04 and 2008-09



- In comparing 2003-04 to 2008-09, the proportions of research funding from provincial, industry, and non-profit sources have increased. The proportion of research funding from other government sources has been maintained. The proportions of research funding from both federal and endowment sources have decreased when comparing these time periods. While the proportion of total research funding provided by federal sources has decreased, the actual funding provided has increased by $51.1 million.

SPONSORED RESEARCH REVENUE AT INDIVIDUAL INSTITUTIONS BY SOURCE

Figure 4: Total Sponsored Research Revenue by Institution and by Source (2008-09)



- The University of Alberta received 38.4% of its sponsored research funding from provincial government sources in 2008-09, a decrease from 2007-08, when it represented 43.0% of the total. A large portion of the provincial funding in 2008-09, $86.1 million, supported research-related capital initiatives (Table 2). Federal government support of research at the University of Alberta made up 34.6% of the total in 2008-09, similar to 2007-08, when it represented 33.6% of the total. The main sources of federal funding for the University of Alberta were the NSERC and the CIHR research funding agencies in both 2007-08 and 2008-09.

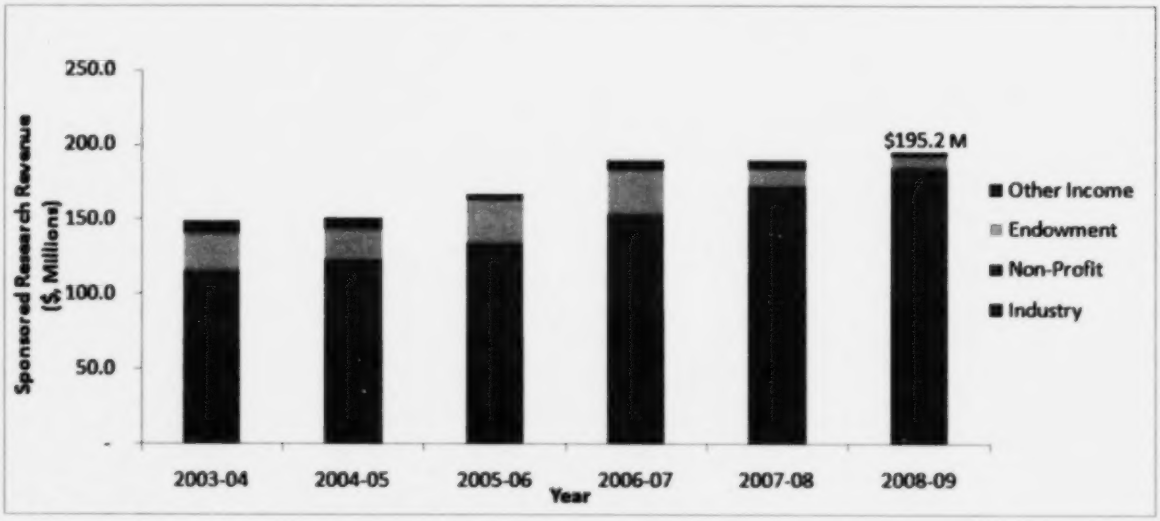
- Funding to the University of Calgary from provincial sources in 2008-09 was 27.0% of its total sponsored research revenue, which is similar to 2007-08 when it represented 26.7% of the total. The proportion of sponsored research revenue provided from federal sources represented 45.4% of the total in 2008-09, compared to 38.4% in 2007-08. The main sources of federal funding for the University of Calgary were the NSERC and the CIHR research funding agencies, with contributions from other federal sources in both 2007-08 and 2008-09.

- In 2008-09, the University of Lethbridge received 28.3% of its sponsored research funding from provincial sources, an increase from 2007-08 when it represented 16.3% of the total. The federal government sources provided 57.5% of the total sponsored research revenue, a decrease from the 2007-08 proportion of 71.1%. The value of the research funding provided by industry, non-profit, endowment, other government and other income sources remained fairly constant from 2007-08 to 2008-09; as the proportion of the total funding provided in aggregate by these sources increased marginally from 11.7% to 13.1%.

- Athabasca University received 15.7% of its 2008-09 sponsored research funding from the provincial government, higher than in 2007-08 when it represented 2.0% of the total. The greatest proportion (31.2%) of Athabasca University's research funding in 2007-08 was contributed through non-profit sources, an increase over the previous year when the same source provided 16.1% of the total sponsored research funding. Industry sources were the second highest contributors to research funding at Athabasca University, as they represented 28.0% of the total, followed by federal sources with 25.0%.

NON-GOVERNMENTAL SUPPORT FOR SPONSORED RESEARCH

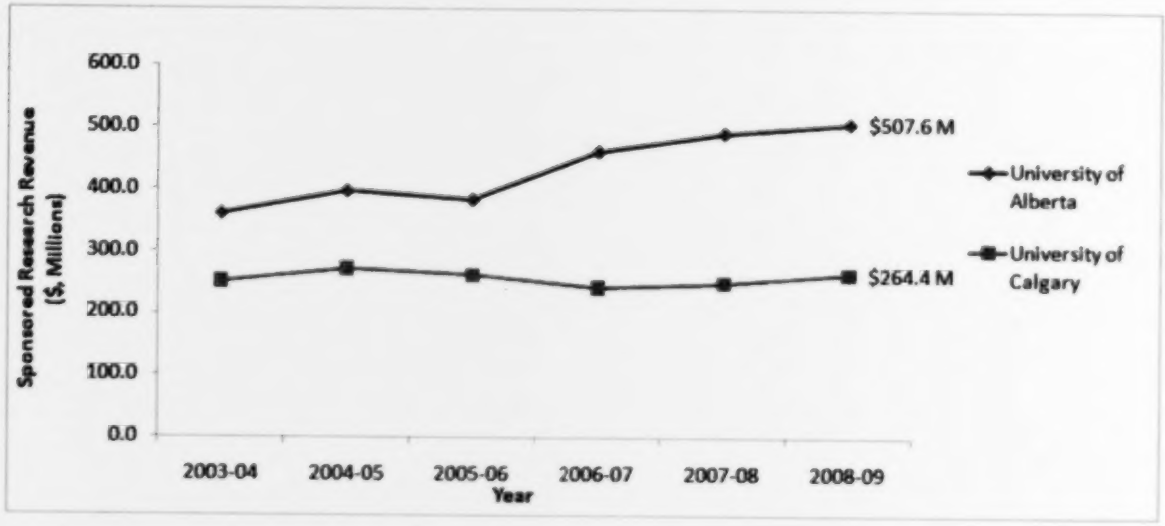
Figure 5: Sponsored Research Revenue from Non-Government Sources



- Between 2003-04 and 2008-09, the total amount of sponsored research funding provided by non-government sources to Alberta's comprehensive academic and research institutions is 1,041.2 million.
- In 2008-09, industry investment decreased by 5.4% over the previous year. The support from industry sources has been variable but shows an upwards trend over the past five years, increasing by 46.7% since 2003-04.
- The total amount invested by non-profit sources has gradually increased in the past five years, starting at $46.5 million in 2003-04 and growing to $83.0 million in 2008-09. From 2007-08, the amount from this sector has increased from $64.6 million, or by 28.5% in 2008-09.
- The support for research derived from endowment sources is not necessarily an indicator of the performance of the endowment. The comprehensive academic and research institutions report only the portion of the endowment income that is used to support research activities. Endowment income used for activities other than research is not reflected in this report.

SPONSORED RESEARCH REVENUE AT INDIVIDUAL INSTITUTIONS

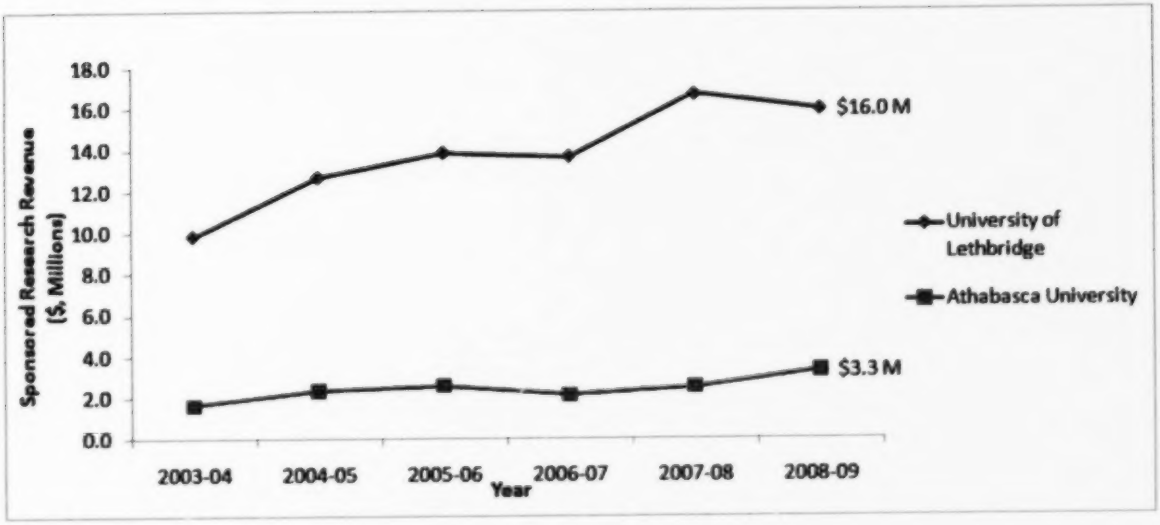
Figure 6A: Total Sponsored Research Revenue at the University of Alberta and the University of Calgary



- In 2008-09, total sponsored research funding to the University of Alberta was $507.6 million, an increase of 41% over the 2003-04 level of $360.0 million. The majority of the increase in revenue between 2007-08 and 2008-09 is attributed to non-profit and federal sources, leading to an overall increase of 3.2% from the 2007-08 level.

- In 2008-09, the University of Calgary received $264.4 million in total sponsored research funding, slightly more than the 2003-04 amount of $251.4 million. For the past five years, the level of sponsored research revenue at the University of Calgary has been maintained, with a peak of $271.5 million in 2004-05.

Figure 6B: Total Sponsored Research Revenue at the University of Lethbridge and Athabasca University

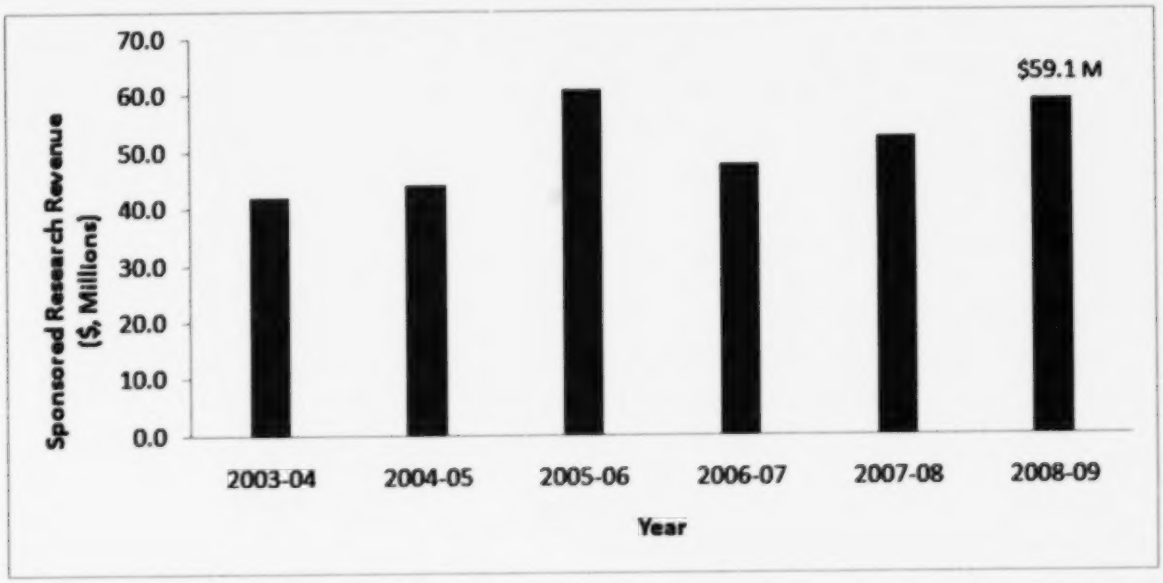


- In 2008-09, total sponsored research funding at the University of Lethbridge was $16.0 million, a small decrease from $16.7 million in the previous year. Since 2003-04, total sponsored research funding at the University of Lethbridge has increased by 62.3%, from $9.8 million to $16.0 million in 2008-09.

- In 2008-09, Athabasca University received $3.3 million in total sponsored research funding, an increase of approximately $800,000 from 2007-08. The increase is mainly attributed to non-profit, provincial and federal sources. Since 2003-04, total sponsored research funding at Athabasca University has doubled.

THE ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH (AHFMR)

Figure 7: Total Sponsored Research Revenue from AHFMR

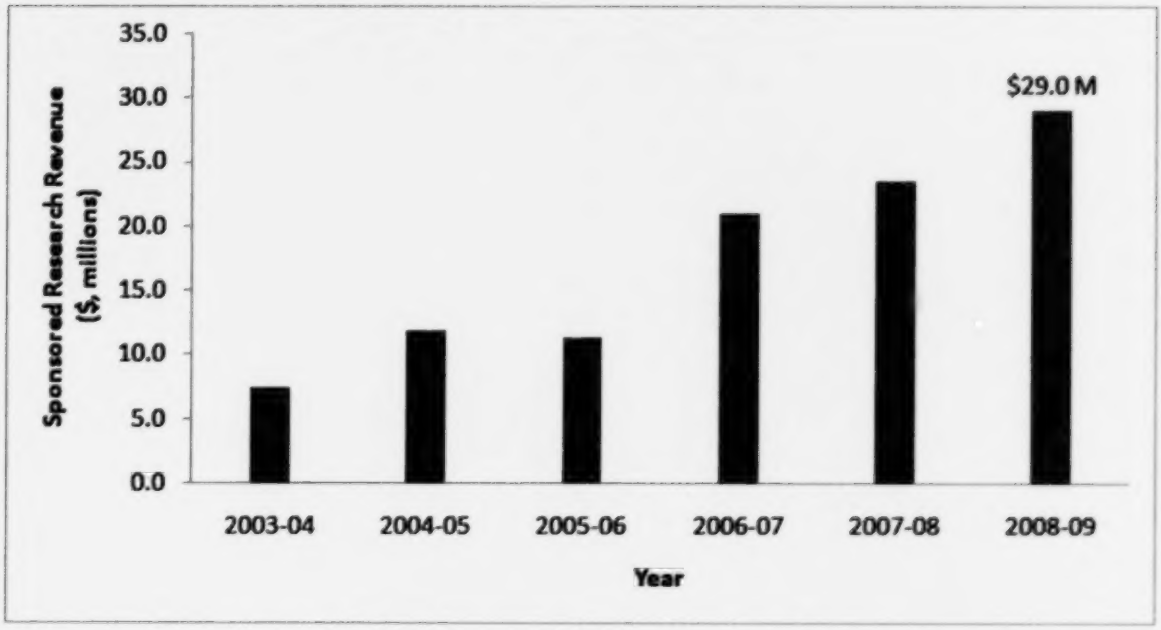


- The Alberta Heritage Foundation for Medical Research (AHFMR) supports and promotes research in Alberta to improve health and thereby the quality of life of Albertans and people throughout the world. This includes providing peer reviewed grants and awards to individuals, institutions and other entities in the areas of health research, training and knowledge transfer.[1]
- The AHFMR increased its research contributions to comprehensive academic and research institutions in 2008-09 to a total of $59.1 million, up from $52.6 million in 2007-08.
- The AHFMR has provided a total of $306.4 million in sponsored research revenue to Alberta's comprehensive academic and research institutions since 2003-04.
- As of January 2010, the Alberta Heritage Foundation for Medical Research Endowment supports Alberta Innovates – Health Solutions, which builds on the strengths and successes of the former AHFMR.

[1] Alberta Heritage Foundation for Medical Research. 2009 Annual Report. Edmonton: AHFMR, 2009

ALBERTA INGENUITY

Figure 8: Total Sponsored Research Revenue from Alberta Ingenuity



- In 2008-09, Alberta Ingenuity contributed $29.0 million in sponsored research funding to Alberta's comprehensive academic and research institutions, an increase of 23.2% from the amount provided in 2007-08.

- Since 2003-04, annual contributions have quadrupled, growing from $7.4 million in 2003-04 to $29.0 million in 2008-09.

- In January 2010, Alberta Ingenuity was transitioned to the new Alberta Innovates – Technology Solutions, which builds on the strengths and successes of the former Alberta Ingenuity, the Alberta Research Council, and the iCORE.

Table 1: Summary of All Sources ($, thousands)

Sources	Institution	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Government of Alberta	Alberta	119,467	154,085	101,644	167,124	211,508	194,745
	Calgary	79,668	107,537	82,582	54,018	66,645	71,269
	Lethbridge	2,353	2,663	4,319	2,627	2,725	4,511
	Athabasca	560	463	548	20	50	517
	Total	**202,048**	**264,748**	**189,093**	**223,789**	**280,928**	**271,042**
Federal Government	Alberta	150,504	149,733	170,509	175,874	165,440	175,841
	Calgary	96,946	87,814	102,541	102,387	96,109	120,062
	Lethbridge	6,297	8,548	8,008	9,012	11,863	9,174
	Athabasca	1,044	1,395	1,742	840	698	822
	Total	**254,791**	**247,490**	**282,800**	**288,113**	**274,110**	**305,899**
Other Government Jurisdictions	Alberta	13,493	16,332	18,878	11,502	11,361	14,714
	Calgary	2,734	2,900	3,322	5,711	5,232	4,199
	Lethbridge	432	854	711	466	150	172
	Athabasca	-	-	-	-	-	-
	Total	**16,659**	**20,086**	**22,911**	**17,679**	**16,743**	**19,085**
Non-Government Sources (includes industry, non-profit, endowment and other income sources)	Alberta	76,545	76,717	91,779	106,896	103,433	122,313
	Calgary	72,031	73,262	73,770	80,005	82,046	68,828
	Lethbridge	750	613	819	1,558	1,945	2,098
	Athabasca	35	485	286	1,255	1,744	1,949
	Total	**149,361**	**151,077**	**166,654**	**189,714**	**189,168**	**195,188**
All Sources	**Alberta**	**360,009**	**396,867**	**382,810**	**461,396**	**491,742**	**507,613**
	Calgary	**251,379**	**271,513**	**262,215**	**242,122**	**250,032**	**264,358**
	Lethbridge	**9,832**	**12,678**	**13,857**	**13,663**	**16,683**	**15,955**
	Athabasca	**1,639**	**2,343**	**2,576**	**2,115**	**2,492**	**3,288**
	Total	**622,859**	**683,401**	**661,458**	**719,296**	**760,949**	**791,214**

Table 2: Government of Alberta Sources ($, thousands)

Sources	Institution	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Alberta Heritage Foundation for Medical Research (AHFMR)	Alberta	21,733	23,909	23,034	25,726	28,329	31,621
	Calgary	19,236	19,299	37,215	21,370	23,748	25,969
	Lethbridge	987	915	608	590	531	1,554
	Athabasca	-	-	-	-	-	-
	Total	**41,956**	**44,123**	**60,857**	**47,686**	**52,608**	**59,144**
Alberta Ingenuity	Alberta	5,375	6,243	6,188	14,325	15,985	18,421
	Calgary	1,779	4,574	3,967	5,660	6,527	9,841
	Lethbridge	244	982	1,117	948	1,019	702
	Athabasca	-	-	-	-	-	26
	Total	**7,398**	**11,799**	**11,272**	**20,933**	**23,531**	**28,990**
Advanced Education and Technology (AE&T)/ Innovation and Science	Alberta	24,301	27,933	33,283	41,759	44,613	24,399
	Calgary	5,611	12,673	22,423	15,613	16,577	16,988
	Lethbridge	501	163	2,049	459	481	992
	Athabasca	-	309	69	-	-	412
	Total	**30,413**	**41,078**	**57,824**	**57,831**	**61,671**	**42,791**
Capital Initiatives to Support Research Activities[2]	Alberta	60,507	80,353	27,800	40,817	91,400	86,103
	Calgary	-	-	-	-	4,900	-
	Lethbridge	-	-	-	-	-	-
	Athabasca	-	-	-	-	-	-
	Total	**60,507**	**80,353**	**27,800**	**40,817**	**96,300**	**86,103**
Other Government of Alberta	Alberta	7,551	15,647	11,339	44,497	31,181	34,201
	Calgary	53,042	70,991	18,977	11,376	14,893	18,471
	Lethbridge	621	603	545	630	694	1,263
	Athabasca	560	154	479	20	50	79
	Total	**61,774**	**87,395**	**31,340**	**56,523**	**46,818**	**54,014**
All Government of Alberta Sources	**Alberta**	**119,467**	**154,085**	**101,644**	**167,124**	**211,508**	**194,745**
	Calgary	**79,668**	**107,537**	**82,582**	**54,018**	**66,645**	**71,269**
	Lethbridge	**2,353**	**2,663**	**4,319**	**2,627**	**2,725**	**4,511**
	Athabasca	**560**	**463**	**548**	**20**	**50**	**517**
	Total	**202,048**	**264,748**	**189,093**	**223,789**	**280,928**	**271,042**

[2] Institutional differences in reporting in this category are due to accounting decisions made at the institutional level. The CAUBO reporting guidelines allow for flexibility to report revenue related to capital as either infrastructure or sponsored research revenue as deemed appropriate by the institution. Data reported to CAUBO must relate directly to the institution's audited financial statements.

Table 3: Federal Government Sources ($, thousands)

Sources	Institution	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Social Sciences and Humanities Research Council (SSHRC)	Alberta	10,335	9,738	9,038	10,168	11,182	13,520
	Calgary	6,597	12,876	10,908	7,525	13,853	11,167
	Lethbridge	485	663	769	486	749	713
	Athabasca	94	186	232	122	100	62
	Total	**17,511**	**23,463**	**20,947**	**18,301**	**25,884**	**25,462**
Natural Sciences and Engineering Research Council (NSERC)	Alberta	37,931	41,493	38,130	43,426	48,537	46,596
	Calgary	19,781	20,641	24,584	23,930	24,873	34,289
	Lethbridge	2,176	2,969	2,704	2,963	3,241	3,262
	Athabasca	100	106	132	76	7	89
	Total	**59,988**	**65,209**	**65,550**	**70,395**	**76,658**	**84,236**
Canadian Institutes for Health Research (CIHR)	Alberta	35,369	37,493	36,072	39,896	42,661	45,939
	Calgary	29,141	28,727	31,265	31,509	28,555	32,952
	Lethbridge	390	437	556	559	701	731
	Athabasca	-	-	-	-	-	-
	Total	**64,900**	**66,657**	**67,893**	**71,964**	**71,917**	**79,622**
Canada Foundation for Innovation (CFI)	Alberta	23,009	14,492	28,617	33,803	11,397	21,818
	Calgary	17,936	8,709	10,154	14,797	2,706	2,634
	Lethbridge	314	1,099	924	1,566	470	615
	Athabasca	116	280	350	-	27	103
	Total	**41,375**	**24,580**	**40,045**	**50,166**	**14,600**	**25,170**
Canada Research Chairs Program (CRC)	Alberta	10,099	10,288	13,634	15,026	14,980	13,775
	Calgary	5,375	7,275	8,835	5,591	2,100	2,750
	Lethbridge	300	625	775	950	1,000	1,050
	Athabasca	200	300	375	300	225	225
	Total	**15,974**	**18,488**	**23,619**	**21,867**	**18,305**	**17,800**

Table 3 continued on next page...

Table 3: Federal Government Sources ($, thousands) continued...

Sources	Institution	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Indirect Costs Program	Alberta	13,354	14,177	14,722	17,257	17,648	17,767
	Calgary	8,478	-	-	11,227	12,537	12,738
	Lethbridge	912	1,058	1,174	1,404	1,533	1,694
	Athabasca	121	120	125	121	146	160
	Total	**22,865**	**15,355**	**16,021**	**30,009**	**31,864**	**32,359**
Other Federal	Alberta	20,407	22,052	30,296	16,298	19,035	16,426
	Calgary	9,638	9,586	16,795	7,809	11,485	23,532
	Lethbridge	1,720	1,697	1,106	1,084	4,169	1,109
	Athabasca	413	403	528	221	193	183
	Total	**32,178**	**33,738**	**48,725**	**25,412**	**34,882**	**41,250**
All Federal Government Sources	**Alberta**	**150,504**	**149,733**	**170,509**	**175,874**	**165,440**	**175,841**
	Calgary	**96,946**	**87,814**	**102,541**	**102,388**	**96,109**	**120,062**
	Lethbridge	**6,297**	**8,548**	**8,008**	**9,012**	**11,863**	**9,174**
	Athabasca	**1,044**	**1,395**	**1,742**	**840**	**698**	**822**
	Total	**254,791**	**247,490**	**282,800**	**288,114**	**274,110**	**305,899**

Table 4: Non-Government Sources ($, thousands)

Source	Recipient	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Industry	Alberta	28,327	32,070	37,848	51,221	68,651	67,967
	Calgary	41,219	36,936	33,677	38,051	37,338	32,516
	Lethbridge	130	229	262	561	751	794
	Athabasca	-	-	-	704	1342	922
	Total	**69,676**	**69,235**	**71,787**	**90,537**	**108,082**	**102,199**
Non-Profit	Alberta	24,136	24,282	31,392	32,116	28,869	51,401
	Calgary	21,802	29,703	31,405	30,059	34,517	29,892
	Lethbridge	533	216	319	634	827	708
	Athabasca	0	415	205	526	401	1,027
	Total	**46,471**	**54,616**	**63,321**	**63,335**	**64,614**	**83,028**
Endowment	Alberta	24,082	19,476	21,438	21,362	2,838	-
	Calgary	-	-	6,982	8,101	8,542	7,022
	Lethbridge	-	-	-	-	-	-
	Athabasca	-	-	-	-	-	-
	Total	**24,082**	**19,476**	**28,420**	**29,463**	**11,380**	**7,022**
Other Income	Alberta	0	889	1,101	2,197	3,075	2,945
	Calgary	9,010	6,623	1,706	3,794	1,649	-602
	Lethbridge	87	168	238	363	367	596
	Athabasca	35	70	81	25	1	-
	Total	**9,132**	**7,750**	**3,126**	**6,379**	**5,092**	**2,939**
All Non - Government Sources	**Alberta**	**76,545**	**76,717**	**91,779**	**106,896**	**103,433**	**122,313**
	Calgary	**72,031**	**73,262**	**73,770**	**80,005**	**82,046**	**68,828**
	Lethbridge	**750**	**613**	**819**	**1,558**	**1,945**	**2,098**
	Athabasca	**35**	**485**	**286**	**1,255**	**1,744**	**1,949**
	Total	**149,361**	**151,077**	**166,654**	**189,714**	**189,168**	**195,188**

Sources for all data:

Athabasca University, Office of the Vice-President, Academic; the University of Alberta, Research Services Office; the University of Calgary, Research Services and Research Accounting; the University of Lethbridge, Financial Services.